HAWTHORN SUBDIVISION

UTILITY PLANS

LOCATED IN THE EAST HALF OF SECTION 9 AND THE WEST HALF OF SECTION 10, TOWNSHIP 3 SOUTH. RANGE 70 WEST OF THE SIXTH PRINCIPAL MERIDIAN. COUNTY OF JEFFERSON, STATE OF COLORADO

AMENDMENT SET

ASBUILTS SET

LEGAL DESCRIPTION BASIS OF BEARING:

A PARCEL OF LAND LOCATED IN THE EAST HALF OF SECTION 9 AND THE WEST HALF OF SECTION 10, TOWNSHIP 3 SOUTH, RANGE TO WEST OF THE SIXTH PRINCIPAL MERDIAN, COUNTY OF JEFFERSON, STATE OF COLORADO, MORE PARTICULARLY DESCRIPTION AS COLORS

BASIS OF BEARBINGS. BEARBINGS ARE BASED ON THE ASSIMPTION THAT THE WEST LINE OF THE SOUTHWEST CHARTER OF THE MORTHWEST CHARTER OF SECTION TO BEARS S 00°07"56" W AND MORAMENTED AS FOLLOWS:

--THE NORTHNEST CORNER OF THE SOUTHNEST QUARTER OF THE NORTHNEST QUARTER OF SECTION 10 BEING A FOUND 3.25" ALUM. CAP LS 12405, PER MON. REC. DATED 8/29/94.

-THE MEST QUARTER CORNER OF SECTION 10 BEING A FOUND 3.25" ALLIM, CAP US 12405, PER MON. REC. DATED 10/21/98. BEGINNING AT THE HORTHWEST CORNER OF THE SOUTHWEST QUARTER OF THE HORTHWEST QUARTER OF SECTION 10:

THENCE'S 88°57'48" E ALONG THE MORTH LINE OF SAID SOUTHNEST CHARTER OF THE MORTHWEST CHARTER OF SECTION 10 A DISTANCE OF 655.42 FEET TO THE MORTHWEST CORNER OF MORTH TABLE MOUNTAIN VILLAGE FILING MO. 2, A SUBDIVISION RECORDED AT RECEPTION NUMBER FORWARD.

THENCE S 0010"45" W ALONG THE NESTERLY LINE OF SAID NORTH TABLE WOUNTAIN VILLAGE FILING NO. 2 AND NORTH TABLE WOUNTAIN VILLAGE FILING NO. 1 A DISTANCE OF 2608.46 FEET TO A POINT ON THE NORTHERLY RIGHT-OF-WAY LINE OF WEST 58TH AVENUE;

THENCE ALONG SAID NORTHERLY RIGHT-OF-WAY LINE THE FOLLOWING SIX (6) COURSES:

1. S 89'34'16" W A DISTANCE OF 490.78 FEET;

2. N 00'07'55" E A DISTANCE OF 11.31 FEET;

3 S 89'35'58" W A DISTANCE OF 162.45 FEET:

4. N 89"14"05" W A DISTANCE OF 454.84 FEET:

6. N 84'30'43" W A DISTANCE OF 234.80 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF COLORADO STATE HIGHWAY NO. 93;

THENCE ALONG SAID EASTERLY RIGHT-OF-WAY LINE OF COLORADO STATE HIGHWAY NO. 93 THE FOLLOWING ELEVEN (11) COURSES

1. N 06'22'48" E A DISTANCE OF 288.34 FEET;

2. N 02'58'29" W A DISTANCE OF 102.04 FEET:

3. N 08'10'21" E A DISTANCE OF SSLEI FEET:

4. N 06"18"15" W A DISTANCE OF 104.40 FEET;

5. N 08'23"42" E A DISTANCE OF 500.00 FEET: 6. N 25'23'42" E A DISTANCE OF 104.71 FEET:

7. N 15'02'51" E A DISTANCE OF 590.51 FEET;

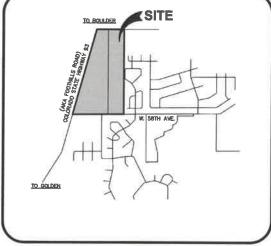
8. N 10'53'37" E A DISTANCE OF 249.40 FEET:

9. N 11'48'01" E A DISTANCE OF 247.80 FEET:

10. N 12'29'20" E A DISTANCE OF 92.87 FEET;

11. N 04'53"23" E A DISTANCE OF 253.98 FEET; THENCE N 88"53"20" E A DISTANCE OF 250.75 FEET TO THE POINT OF BEGINNING

CONTAINING 2,984,977 S.F. OR 88,5256 ACRES MORE OR LESS.



VICINITY MAP

1"=1000"

SHEET INDEX: (* INDICATES AMENDED SHEET)

SHEET NUMBER	SHEET TITLE		
*1	COVER SHEET		
2	SANITARY SEWER AND WATER NOTES		
3	OVERALL UTILITY PLAN		
4	DETAILED WATER PLAN 1		
6	DETAILED WATER PLAN 2		
6	DETAILED WATER PLAN 3		
7	WATER PROFILE REFERENCE SHEET		
* E	WATER PROFILES 1 OF 3		
* 9	WATER PROFILES 2 OF 3		
*10	WATER PROFILES 3 OF 3		
11	W. 58TH PLACE SANITARY SEWER - PLAN & PROFILE 1 OF 4		
12	W. 58TH PLACE SANITARY SEWER - PLAN & PROFILE 2 OF 4		
*13	ELDORA STREET SANITARY SEWER - PLAN & PROFILE		
14	W. SOTH DRIVE BANITARY SEWER - PLAN AND PROFILE		
16	W. 59TH AVE. SANITARY SEWER - PLAN AND PROFILE 1 OF 2		
16	W. 59TH AVE. SANITARY SEWER - PLAN AND PROFILE 2 OF 2		
17	W. 80TH LANE SANITARY SEWER - PLAN AND PROFILE 1 OF 2		
18	W. 60TH LANE SANITARY SEWER - PLAN AND PROFILE 2 OF 2		
19	GILBERT WAY SANITARY SEWER - PLAN AND PROFILE		
*20	FLATTOP STREET SANITARY SEWER - PLAN AND PROFILE 1 OF 2		
21	FLATTOP STREET SANITARY SEWER - PLAN AND PROFILE 2 OF 2		
22	ELDORA STREET SANITARY SEWER - PLAN AND PROFILE 1 OF 2		
23	ELDORA STREET SANITARY SEWER - PLAN AND PROFILE 2 OF 2		
# 24	SOUTHERN OUTFALL SANITARY SEWER - PLAN AND PROFILE		
25	DETAIL SHEET 1 OF 3		
26	DETAIL 8HEET 2 OF 3		
27	DETAIL SHEET 3 OF 3		

BENCHMARK:

N.G.S. DESIGNATION D411/ PID KK1367. N.A.V.D. 88, ELEVATION 5952.96

LEGEND

	EXISTING MAJOR CONTOUR	100 UF IS SAN	PROPOSED SANITARY SEWER LINE -
	EXISTING MINOR CONTOUR	<i>σ</i> ₁	PROPOSED SANITARY SEWER SERVICE
Е	EXISTING ELECTRIC UTILITY LINE	-0	PROPOSED SANITARY SEWER MANHOLE
ø	EXISTING UTILITY POLE	100 LF 16" RCP	
	EXISTING ELECTRICAL TRANSFORMER	100 LF 5" WAT	PROPOSED STORM SEWER LINE
G	EXISTING GAS UTILITY LINE		PROPOSED WATER LINE
	EXISTING WATER MAIN	3 -	PROPOSED WATER SERVICE AND METER
	EXISTING FIRE HYDRANT	⊈●	PROPOSED IRRIGATION SERVICE AND METER
5400	PROPOSED MAJOR CONTOUR	н	PROPOSED WATER GATE VALVE
3400	PROPOSED MINOR CONTOUR		PROPOSED FIRE HYDRANT
	PROPOSED BOUNDARY LINE	▶ .	PROPOSED REDUCER
		المق	PROPOSED BLOW-OFF
	PROPOSED CENTER LINE	©	PROPOSED GAS WELL HEAD
	PROPOSED EASEMENT	► 	PROPOSED WATERLINE PLUG FITTING WITH
	PROPOSED LOT LINE	4.	THRUST BLOCK
	PROPOSED RIGHT-OF-WAY	₹"	PROPOSED WATERLINE ELBOW FITTING WITH
679 1079 1	PROPOSED SETBACK	<u>.</u>	THRUST BLOCK
	PROPOSED RIPRAP	v4855	PROPOSED STORM SEWER INLET
**************************************	PROPOSED GROUTED RIPRAP	D	PROPOSED STORM SEWER FLARED END SECTION
	PROPOSED SOIL RIPRAP	•	PROPOSED STORM SEWER MANHOLE
		1.44 %	SLOPE PERCENTAGE AND DIRECTION
			PROPOSED GAS UTILITY LINE

RECORD DRAWING

SIGNATURE BLOCK

I HEREBY AFFIRM THAT THE PUBLIC IMPROVEMENTS FOR HAWTHORN SUBDIVISION HAVE BEEN CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED CONSTRUCTION PLANS APPROVED BY NORTH TABLE MOUNTAIN.

JEFFERSON COUNTY PLANS:

SEE JEFFERSON COUNTY CONSTRUCTION PLANS FOR UNDERDRAIN AND STORM SEWER PLAN AND PROFILES.

LIST OF CONTACTS

PROJECT DEVELOPER **PUBLIC WORKS**

GOLDEN PEAKS, LLC 7353 ALTON WAY, SUITE A 100 ENGLEWOOD, CO 80112 PHONE: 303-770-9111 CONTACT: CHRIS ELLIOTT

ENGINEER

KT ENGINEERING, LLC ARVADA, CO 80006 PHONE: 303-862-5847 CONTACT: KEN TOLAND

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SURVEYOR

NORTH TABLE MOUNTAIN WATER

& SANITARY DISTRICT 14806 WEST 52ND AVENUE GOLDEN, CO, BO403-1228 PHONE: 303-279-2854 CONTACT: RICK JESCHKE

GAS

XCEL ENERGY 7010 E. COLFAX AVENUE DENVER, CO, 80220 PHONE: 303-399-5447

ELECTRIC

XCEL ENERGY 7010 E. COLFAX AVENUE DENVER, CO, 80220 PHONE: 303-399-5447

GENERAL CONSTRUCTION NOTES:

1. FEES:

A. UTILITY PERMIT FEE = \$200,00 B. INSPECTION/REVIEW FEE =

I. \$2.00/LF WATER
II. \$1.25/LF SEWER

C. GIS DATA COLLECTION = \$20 PER DATA POINT

2. CONTRACTOR MUST OBTAIN A UTILITY PERMIT FROM NIMINASD BEFORE ANY WATER OR SANITARY SEWER LITHITY CONSTRUCTION IS STARTED. FAILURE TO OBTAIN A PERMIT BEFORE START OF CONSTRUCTION WILL RESULT IN A \$600.00 PENALTY.

3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO CURRENT HORTH TABLE MOUNTAIN WATER AND SANITATION DISTRICT (HTMM&5D) STANDARDS AND MATERIAL SPECIFICATIONS, ALL WORK MILL BE, INSPECTED BY INTEMEDIALS MUST MEET NORTH TABLE MOUNTAIN WATER AND SANITATION DISTRICT STANDARDS AND SPECIFICATIONS AND THOSE OF ANY OTHER GOVERNING AGENCY.

4. DETAIL SHEETS OF ALL PIPE AND APPURTENANCES MUST BE SUBMITTED FOR DISTRICT APPROVAL PRIOR TO CONSTRUCTION.

5. ANY CHANGES OF MATERIAL OR DEVIATIONS FROM THE APPROVED PLANS OR THESE SPECIFICATIONS MUST BE DONE WITH WRITTEN PERMISSION OF THE NTMWWSD DISTRICT ENGINEER.

6. THE CONTRACTOR SHALL HAVE IN HIS/HER POSSESSION AT ALL TIMES, ONE (1) SIGNED COPY OF THE PLANS WHICH HAVE BEEN APPROVED BY NITHWASD.

7. TRENCHES SHALL NOT BE BACKFILLED UNTIL THE PIPE IS INSPECTED. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE NTINWASD ENGINEERING INSPECTOR FOR ALL INSPECTIONS AT 303-279-2854.

8. A MINIMUM OF TEN (10) FEET SHALL BE MAINTAINED BETWEEN THE WATER DISTRIBUTION SYSTEM AND ALL SANITARY SEWER LINES, INCLUDING SERVICE LINES.

ROAD CUIT PERMITS FOR WORK IN JEFFERSON COUNTY SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR. BACKFILL AND ROAD SURFACE REPLACEMENT SHALL MEET JEFFERSON COUNTY ENGINEERING STANDARDS OR GOVERNING

10. THE CONTRACTOR SHALL FURNISH TO NTIMMASO ONE PRINTED SET AND ONE ELECTRONIC COPY OF THE AS-BUILT DRAWINGS IN AUTOCAD. THE AS-BUILTS SHALL SHOW THE LOCATION OF MANHOLES, THE DISTANCE BETWEEN THEM, SERVICE MYE LOCATIONS MEASURED FROM THE UPSTREAM MANHOLE TO THE STUB—IN LOCATION AT THE PROPERTY, WAITER MAIN TESS, BEIDS, FIRE HYDRANT TEES AND VALVES WITH THE DISTANCE BETWEEN THEM AND SERVICE LOCATIONS MEASURED FROM THE PROPERTY LINE FITTING TO THE STUB—IN LOCATION AT THE PROPERTY.

11. THE DISTRICT WILL COLLECT SURVEY DATA COORDINATES OF THE INSTALLED INFRASTRUCTURE, THE DEVELOPER IS RESPONSIBLE FOR THE COST OF THE DATA COLLECTION.

12. WATER AND SANITARY SEVER SERVICE LOCATIONS SHALL BE PERMANENTLY MARKED ON THE FACE OF THE CURB WITH A "YOR" S'STAMPED IN WET CONCRETE. THE UTILITY CONTRACTOR SHALL ALSO TIE THE SERVICE LINES TO THE PROPERTY CONTRACT SHOWING THE DIMENSIONS ON THE "AS—BULLTDRANMINGS.

13. THE CONTRACTOR SHALL WARRANTY THE CONSTRUCTION FOR TWO YEARS. A LETTER OF ACCEPTANCE WILL BE ISSUED ONCE THE PROJECT HAS BEEN INSPECTED/ARPOVED AND THE GIS AND WISPECTION FEES HAVE BEEN PAID. THE TWO-YEAR WARRANTY PERIOD SHALL COMMENCE AT THIS TIME.

14. MATERIAL QUANTITIES:

A. WATER MAIN (LF): B. SEWER MAIN (LF): C. MANHOLES: D. VALVE BOXES: E. FIRE HYDRANTS: F. METER PITS:

15. SOIL AMENDMENT IS REQUIRED FOR DEVELOPMENTS LARGER THAN TWO LOTS. EACH 1,000 SQUARE FEET OF SOIL MUST BE AMENDED WITH 4 CUBIC YARDS OF APPROVED COMPOST, SEE APPROVED COMPOST UST, AMENDMENT MUST BE INCORPORATED INTO THE SOIL TO A DEPTH OF 4 TO 6 INCHES, ROTO—TILLED, THIS APPLIES TO ALL PERMEABLE AREAS OF THE DEVELOPMENT INCLUDING EACH INDIVIDUAL LOT AND ALL COMMON AREAS.

16. LANDSCAPE AND IRRIGATION PLANS MUST BE SUBMITTED AND APPROVED BEFORE CONSTRUCTION DRAWINGS WILL BE

THE ABOVE NOTES ARE IN ADDITION TO THOSE ON THE STANDARD WATER AND SEWER DETAIL DRAWINGS

North Table Moustala Wicz and Smithitico Districts soview of finas plans relates only to the Districts as equipments. The Professional Busilium, Costmanton, and Owners designing and constraining this proposed water sinciplentic market soverage collection system shall be solely expensible for the advance of the design, beninkedon and materials utilized in this water distribution makes some market source and the source of the design, beninkedon and materials utilized in this water distribution makes make some solely of the design, beninkedon all connections to excluding District the Indiana and Contract of the District for approval price to construction. APPROVED FOR CONSTRUCTION 12/11/12

Bassas

demand wild the 6 months

ME DISTRICT MANAGER



SHEET COVER

HAWTHORN UTILTIY

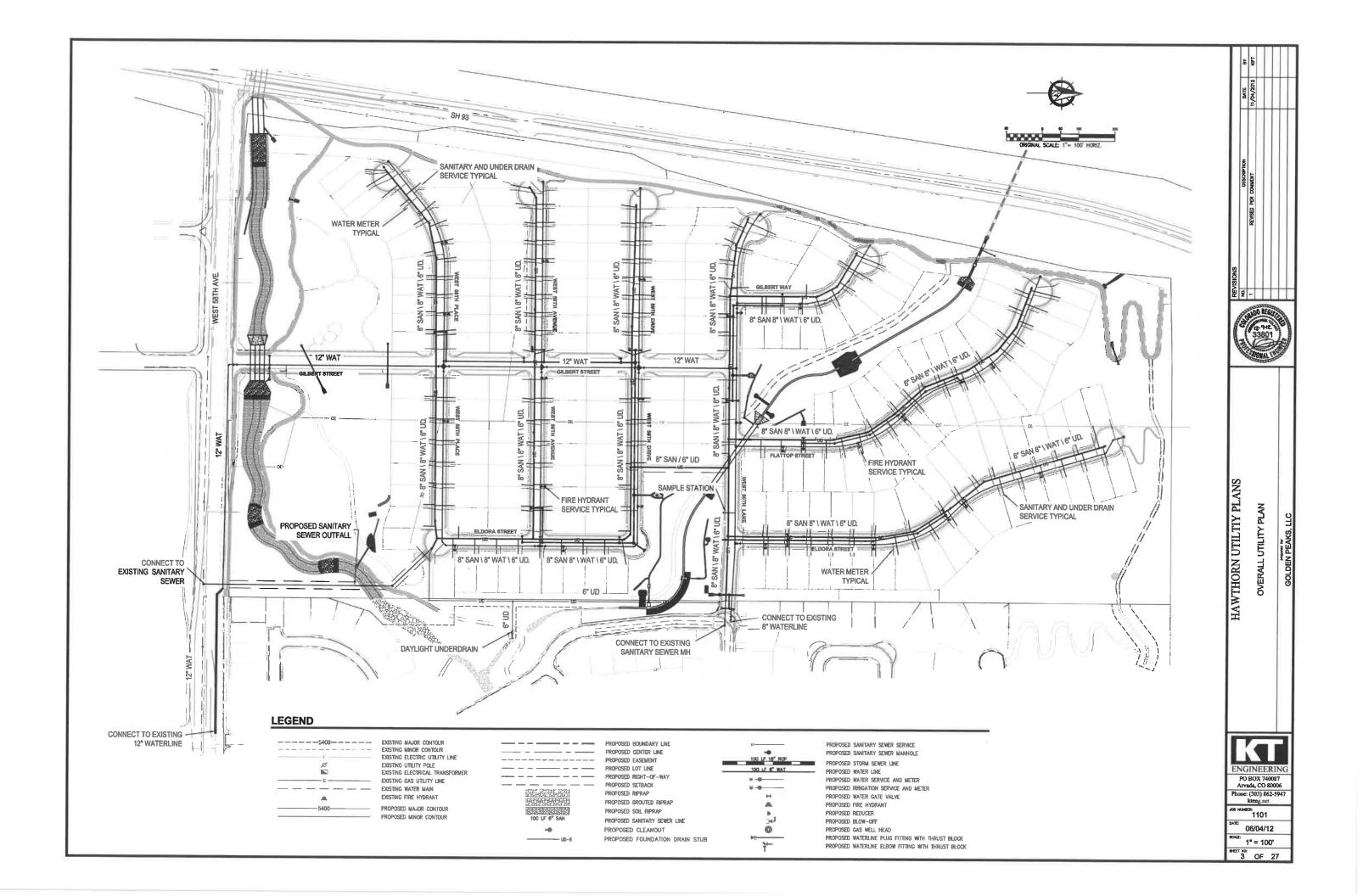
ENGINEERING PO BOX 740087

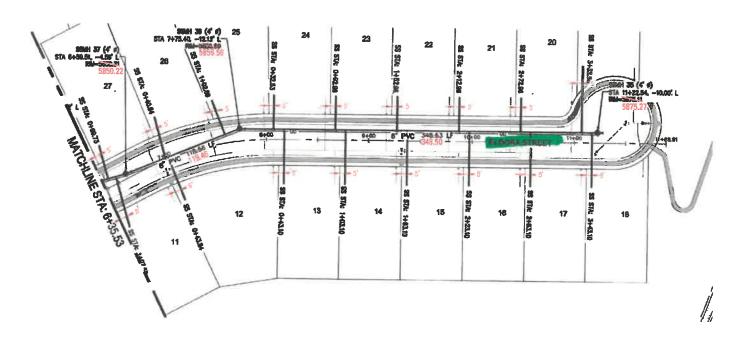
Phone: (303) 862-5947 kieng.net 1101

06/04/12

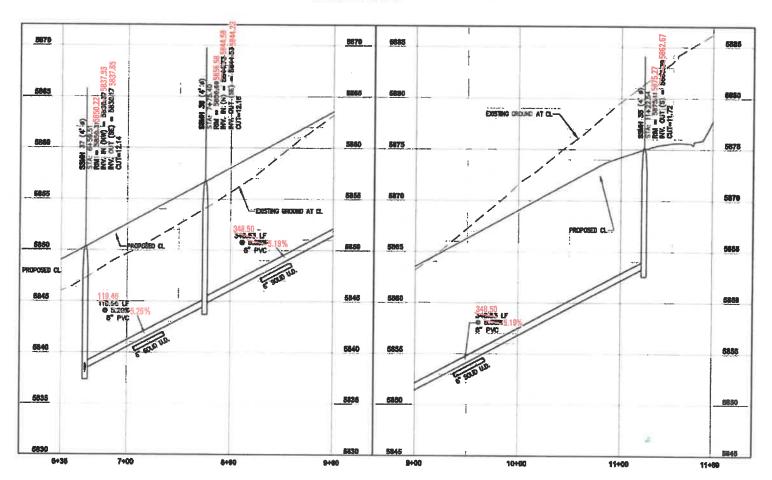
1" = NA'

OF 27





ELDORA STREET SANITARY SEWER PLAN AND PROFILE









HAWTHORN UTILITY PLANS

SANITARY SEWER ELDORA STREET SANITARY SEWER - PLAN AND PROFILE 2 OF 2

NOTES

- ALL SANTARY SEVER AND UNDERDRAIN SERVICES ARE 4" DIA. UNLESS NOTED OTHERWISE.



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06/04/12 1" = 40"

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